**AD130: Web Application Development - Project 4**

**Project Description:**

For Project 4, continue exploring Django features by completing exercise sections in the book. This time you’ll practice working with Sessions and Authentication, Advance Django Admin, Advanced Templating, and REST API.

Complete **all** the “Exercise” sections in **Chapters 9, 10, 11 and 12**:

* **Exercise 9.01: Repurposing the Admin App Login Template**
* **Exercise 9.02: Adding a Profile Page**
* **Exercise 9.03: Adding Authentication Decorators to the Views**
* **Exercise 9.04: Toggling Login and Logout Links in the Base Template**
* **Exercise 9.05: Examining the Session Key**
* **Exercise 9.06: Storing Recently Viewed Books in Sessions**
* **Exercise 10.01: Creating a Custom Admin Site for Bookr**
* **Exercise 10.02: Overriding the Default Admin Site**
* **Exercise 10.03: Customizing the Logout Template for the Bookr Admin Site**
* **Exercise 10.04: Adding Custom Views to the Admin Site**
* **Exercise 11.01: Creating a Custom Template Filter**
* **Exercise 11.02: Creating a Custom Simple Tag**
* **Exercise 11.03: Building a Custom Inclusion Tag**
* **Exercise 11.04: Creating a Book Catalog Using a CBV**
* **Exercise 12.01: Creating a Simple REST API**
* **Exercise 12.02: Creating an API View to Display a List of Books**
* **Exercise 12.03: Creating Class-Based API Views and Model Serializers**
* **Exercise 12.04: Using ViewSets and Routers**

Submit the resulting files to **Project 4 in Moodle**.

**FOR INSTRUCTOR USE ONLY**

**Grading Rubric**

*Grading accepts a start value of 100. Points will be deducted for failure to fully complete or meet the stated requirements. Grading: 90-100 = Represents work of superior quality (A); 80-89 = Represents work of good to very good quality (B); 70-79 = Represents adequate command of class content (C); 69 and below = Represents work that shows a need for development or improvement (F); 0 = Represents plagiarized work (F).*

**AD130: Web Application Development (NCP-WEB)**

**Student:**

**Instructor:**

**Date:**

**Project 4**

|  |  |  |
| --- | --- | --- |
| **Description of requirements** | **Possible Points** | **Your Points** |
| Completed Chapter 9 exercises | **30** |  |
| Completed Chapter 10 exercises | **20** |  |
| Completed Chapter 11 exercises | **20** |  |
| Completed Chapter 12 exercises | **30** |  |
| **TOTAL** | **100** |  |

**YOUR SCORE**: \_\_\_\_\_\_\_\_

**Instructor Comments:**